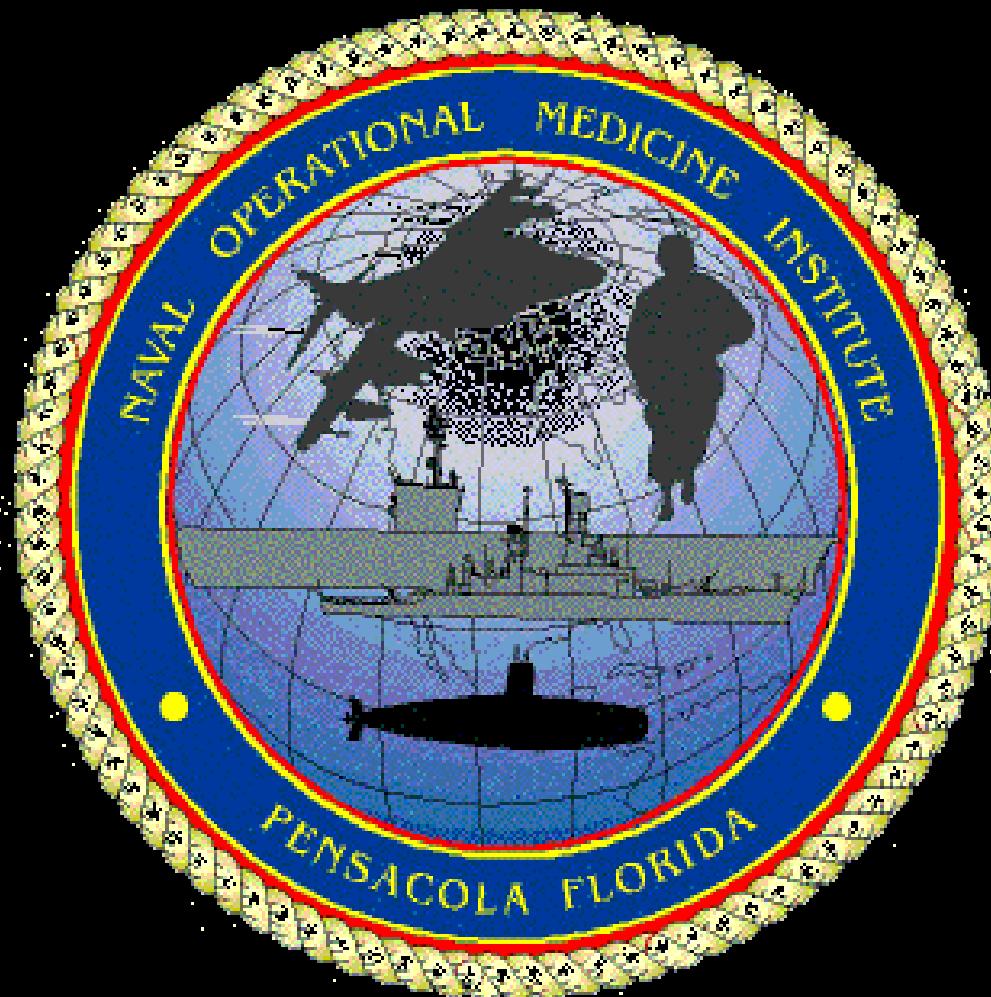


Aerospace Physiology Technician (NEC HM- 8409)



Aerospace Physiology Technician (NEC HM- 8409)

Program Overview &
Requirements

Program Overview

- **Naval Aviation Survival Training Program**
- **Naval Aviation Water Survival Training Program**
- **Aeromedical Safety Program**
- **FAILSAFE Program**
- **Research, Development, Testing and Evaluation (RDT&E)**

8 Aviation Survival Training



Naval Aviation Survival Training Program Cont.

Teach lectures to include:

- **Aviation Physiology**
- **Stress and Human Performance**
- **Sensory Physiology**
- **Emergency Egress/Systems**
- **Aviation Life Support Systems**
- **G-Tolerance Improvement Program**
- **Survival (Self Aid) First Aid**
- **Aeromedical Aspects of Ejection**
- **Parachute Descent Procedures**
- **Survival Equipment**
- **Survival Radios**
- **Ejection Seat Survival Kits (Seat Kits)**
- **Oxygen systems**

Operate the Following Training Devices

- 9A1 and 9A9 Low Pressure Chamber
 - Chief Observer
 - Inside Instructor/Observer (IO)
 - Outside Lock Stand-By
 - Device recorder



**Low Pressure Chamber
9A9**



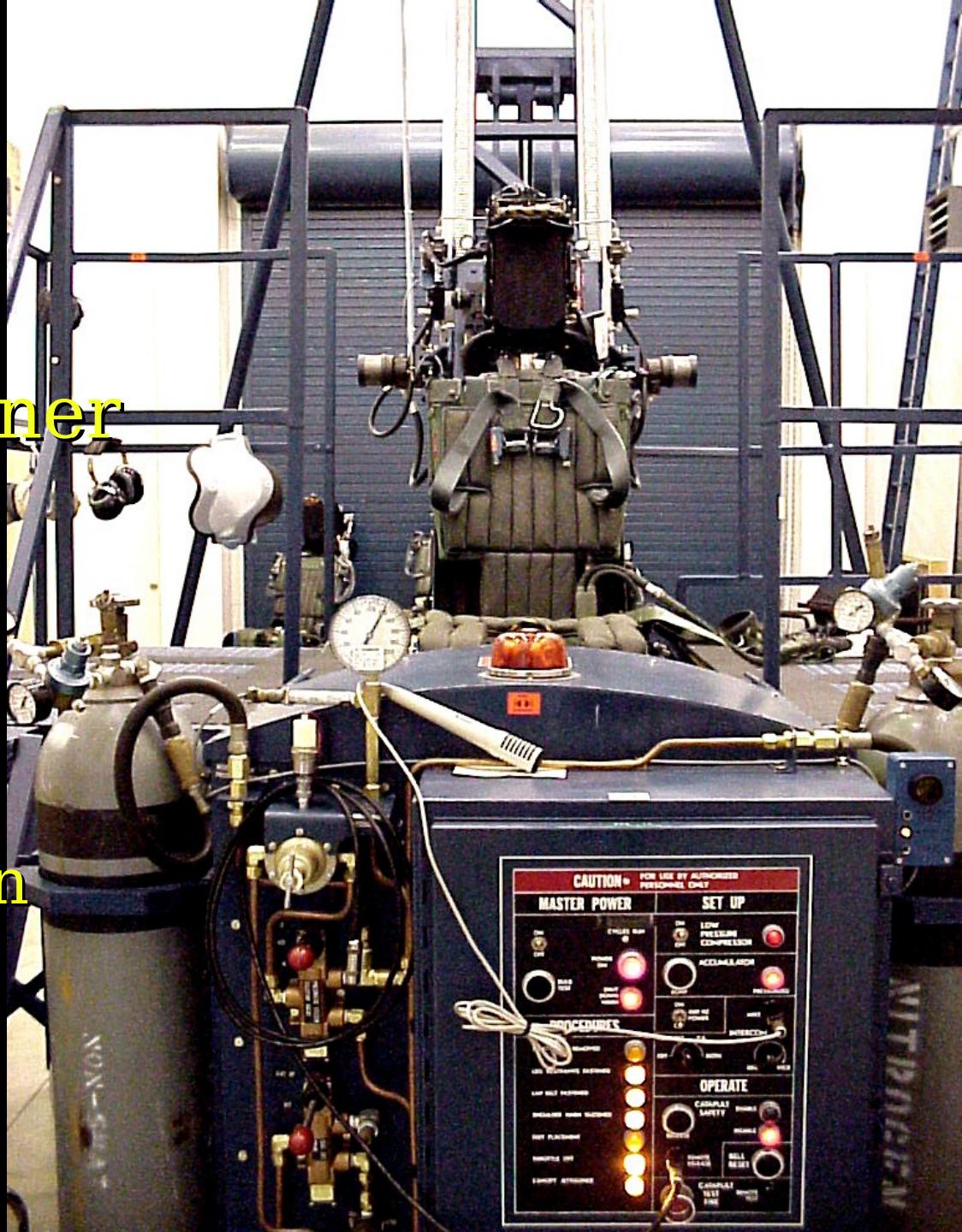
Low Pressure Chamber Operations

9E6 Ejection

Seat Trainer

Ejection Seat Trainer

- Chief Instructor
- Loader
- Medical Observer
- Recorder
- Monitor Technician



9A16

Centrifuge

Trainer

(ASTC Lemoore Only)

- Instructor
- Crew
Chief



9A16 Centrifuge Trainer



Naval Aviation Water Survival Training Program

NAWSTI (Naval Aviation Water Survival Training Instructor)

- As a NAWSTI teach lectures for the NASTP
- Run the pool deck for all pool operations
- Supervise all water survival training

Naval Aviation Water Survival Training Program

NAWSTP Devices:

- ▶ **9D5-Multi-Place Underwater Egress Trainer (a.k.a. Helo Dunker)**
- **9H1-Helicopter Hoist Trainer**
- **9F2-Parachute In-Water Release Trainer**
- **PADT-Parachute Avoidance and Disentanglement Trainer**
- **SWET-Shallow Water Egress Trainer**



**9D5 Multi-Place Underwater
Egress Trainer**

A large, red, multi-level diving tower stands in an indoor swimming pool. The tower has multiple platforms and ladders. A person is standing on one of the upper platforms. In the background, there are other diving towers and a diving well. The pool water is clear and blue.

**9E8 Single-Place
Dunker**

9H1 Helicopter Hoist Trainer





**9F2 Parachute In-Water
Release Trainer**



Parachute Avoidance Disentanglement Trainer (PADT)

Aeromedical Safety Program



Assigned as Aeromedical Safety Corpsman (AMSC) 8409's work with Aeromedical Safety Officers (AMSO) to solve Navy & Marine Corps Wing /Group safety issues.

Aeromedical Safety Program

Provide Squadron brief's on the following topics:



- Night Imaging and Threat Evaluation (NITE Lab), instruct aircrew in Night Vision Goggles (There uses and limitations)
- Laser Systems Safety
- Forward Looking Infra-Red (FLIR) devices
- Spatial Disorientation

FAILSAFE Program

AMSCs assist the AMSO with managing the FAILSAFE Program (Fleet Air Introduction/ Liaison of Survival Aircree Flight Equipment)



- ▶ **Responsible for introduction and training on new Survival gear for aviators and aircreew.**
- ▶ **AMSCs also assist the NAVAIR FAILSAFE Tiger Teams in training the maintainers (Parachute Riggers, Flight Equipment shops) on the new gear.**

FAILSAFE Program (cont.)

- Along with the AMSO, provide input on Operator Advisory Group (OAG) Conferences by providing fleet input as to where NAVAIR funding priorities should be placed for new survival gear.
- Attend In-Service Management Panels (IMP) to provide fleet input on discrepancies and solutions with survival gear already in NAVAIR inventory.

Aeromedical Safety Program

AMSC Billets

MARFORLANT	Norfolk, VA
2nd MAW	Cherry Point, NC
MAG-14	Cherry Point, NC
MAG-26	New River, NC
MAG-29	New River, NC
MAG-31	Beaufort, SC
1st MAW	Okinawa, Japan
MAG-12	Iwakuni, Japan
MAG-36	Okinawa, Japan
ASE	Kaneohe Bay, HI
3rd MAW	San Diego, (Miramar)
MAG-11	San Diego, (Miramar)
MAG-13	Yuma, AZ
MAG-16	San Diego, (Miramar)
MAG-39	Oceanside, CA (Camp Pendleton)
4th MAW	New Orleans, LA (Reserves)
MAWTS-1	Yuma, AZ
HMX-1	Quantico, VA
COMHSWINGPAC	NAS North Island
NAWC	China Lake (Test Jump billet)
NSWC	NAS Fallon (In the works)

Research, Development, Testing and Evaluation (RDT&E)

**Assist Aeromedical Research
Physiologists**

RDT&E Sites include:

- **Naval Aerospace Research Medical Lab (NAMRL) - NAS Pensacola, FL**

The laboratory's mission is to conduct research and development in spatial orientation, human performance, aeromedical standards, and aviation medicine.

- **Naval Air Warfare Center (NAWC), Patuxent River, MD (Aircraft Division)**

Program Requirements



HM at least E-4

- Meet the physical requirements for Aerospace Physiology Technician candidate as set forth in the Manual of the Medical Department
- Make sure that a Sinus Series x-ray film is performed as part of your physical exam. (Must be checked by NAMI, Code 42)
- Meet all requirements of the MILPERSMAN

Why become an 8409?



- ▶ The chance to make a difference. To train Aviators/Aircrew to survive and come back alive!
- ▶ Extra \$150.00 per month for Hazardous Duty Incentive Pay (HDIP)
- ▶ The opportunity to earn a Master Training Specialist (MTS) designation

Other Opportunities

- ▶ Depending on the unit, the opportunity to go to Jump School or SCUBA School (again not a guarantee but the opportunity is there)
- Challenging Sea Duty as an AMSC. Usually working independently with the AMSO. There is great responsibility, but with it comes the chance to prove yourself and standout among your peers
- The opportunity to obtain a college degree (while on shore duty) and possibly a commission as an MSC Officer

Questions ?



HMC(AW/FMF/NAC) S.G.

Roach

P407CK@persnet.navy.mil

DSN 882-3809

HM-8409